Engineering Order

Title: Rework of Aft Attach Clamp – BP350 BearPaw Installation				EO#: HTS-EO-0709-001 Rev NC	
Prepared by: Mirko Zgela (DAR #310)	**Design:** N/A	**Mech:** N/A	**Stress:** N/A	**Approved:** Mirko Zgela (DAR #310)	**Date:** April 24, 2008

A/C Effectivity:	Registration: C-GSOA	Serial: 4363

Reference Documents:

[a]	Doc # - HTC-314-0020-00-B, "BearPaw Model BP350 – Installation Instructions – AS350/355 Series Helicopters", Rev B, dated Jan 29, 2007
[b]	Drawings: #112-0002-00, BearPaw BP350 – Assembly, Rev B, dated Nov 20, 2006 #VNR107, BearPaw BP350 – U Shaped Clip, R01, dated Sept 29, 2006

Reason for change:

When the BearPaw are fitted to AS 350 helicopters equipped with the Aerazur (Zodiac) emergency floatation system the rear attach fitting interferes with the aft clamp on the BearPaw as shown by Figure (1).

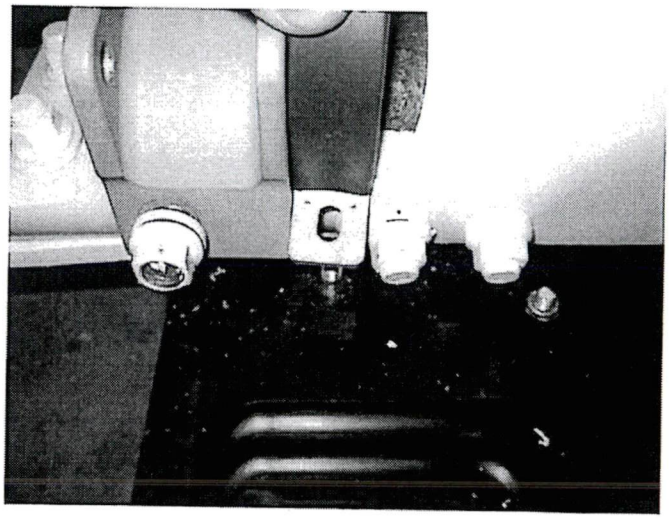

Figure 1 - Clamp Interference with Aft Fitting

Description of change:

Previous Configuration:

The old configuration was as per drawing #112-0002-00, BearPaw BP350 – Assembly, Rev B, dated Nov 20, 2006

New Configuration:

In order to fit the BearPaw when the Aerazur (Zodiac) emergency floatation system is installed perform the following:

Rework Instructions:

1	Move the BearPaw slightly forward so that the BearPaw pad rear attachment hole is centered between the flotation system aft fitting and the rear cross tube aft bolts
2	Trim the U-Shape clip (P/N 314-0019-15) by approximately 0,0625" on each side to reduce the width of the clamp to remove the interference with the cross tube aft bolt. The U-Shape clip will mount on the rear cross tube saddle.
3	Elongate the BearPaw rear attachment hole outboard to align the U-Shape clip hole with the BearPaw hole.
4	Take photographs of the rework aft U-Shape clip installation and provide the following to Helitowcart: - BearPaw elongated hole final dimensions; - Final width of the U-Shape clip; - The distance that the BearPaw had to be moved forward.